

SEQUENCE LISTING

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<120> Serine Protease

<130> P032668WO

<140> PCT/GB03/05404

<141> 2003-12-11

<150> GB 0228957.7

<151> 2002-12-11

<160> 26

<170> SeqWin99, version 1.02

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<211> 58

<212> DNA

<213> Homo sapiens

<400> 1

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<210> 2

<211> 20

<212> PRT

<213> Homo sapiens

<400> 2

Met Lys Trp Cys Trp Gly Pro Val Leu Leu Ile Ala Gly Ala Thr Val
1 5 10 15

Leu Met Glu Gly
20

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<211> 21

<212> DNA

<213> Homo sapiens

<400> 3

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<210> 4

<211> 7

<212> PRT

<213> Homo sapiens

<400> 4

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<210> 5
 <211> 163
 <212> DNA
 <213> Homo sapiens

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 agtggccctg gcaggccagt gtgaggagggc aaggagccca catctgcagc ggctccctgg 120
 tggcagacac ctgggtcctc actgctgccc actgctttga aaa 163

<210> 6
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 6
 Cys Gly Gln Arg Gly Pro Gly Pro Pro Lys Pro Gln Glu Gly Asn Thr
 1 5 10 15
 Val Pro Gly Glu Trp Pro Trp Gln Ala Ser Val Arg Arg Gln Gly Ala
 20 25 30
 His Ile Cys Ser Gly Ser Leu Val Ala Asp Thr Trp Val Leu Thr Ala
 35 40 45
 Ala His Cys Phe Glu Lys
 50

<210> 7
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 7
 ggcagcagca acagaactga attcctgggc agtgggtcctg gggttctctgc agcgtgaggg 60
 actcagccct ggggccgaag aggtgggggt ggctgccctg cagttgcca gggcctataa 120
 ccactacagc cagggtcag acctggccct gctgcagtc gccaccca cgaccacac 180
 accctctgc ctgcccagc ccgccatcg cttcccctt ggagcctcct gctggggcac 240
 tggctgggat caggacacca gtgatg 266

<210> 8
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 8
 Ala Ala Ala Thr Glu Leu Asn Ser Trp Ser Val Val Leu Gly Ser Leu
 1 5 10 15
 Gln Arg Glu Gly Leu Ser Pro Gly Ala Glu Glu Val Gly Val Ala Ala
 20 25 30
 Leu Gln Leu Pro Arg Ala Tyr Asn His Tyr Ser Gln Gly Ser Asp Leu
 35 40 45

Ala Leu Leu Gln Leu Ala His Pro Thr Thr His Thr Pro Leu Cys Leu
 50 55 60

Pro Gln Pro Ala His Arg Phe Pro Phe Gly Ala Ser Cys Trp Ala Thr
 65 70 75 80

Gly Trp Asp Gln Asp Thr Ser Asp Ala
 85

<210> 9
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 9
 ctctctgggac cctacgcaat ctgcgcctgc gtctcatcag tcgccccaca tgtaactgta 60
 tctacaacca gctgcaccag cgacacctgt ccaaccgggc ccggcctggg atgctatgtg 120
 ggggccccca gcctgggggt cagggcccct gtcag 155

<210> 10
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 10
 Pro Gly Thr Leu Arg Asn Leu Arg Leu Arg Leu Ile Ser Arg Pro Thr
 1 5 10 15

Cys Asn Cys Ile Tyr Asn Gln Leu His Gln Arg His Leu Ser Asn Pro
 20 25 30

Ala Arg Pro Gly Met Leu Cys Gly Gly Pro Gln Pro Gly Val Gln Gly
 35 40 45

Pro Cys Gln
 50

<210> 11
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 11
 ggagattccg ggggccctgt gctgtgcctc gagcctgacg gacactgggt tcaggctggc 60
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 gctgtctaca gttcctggct gcaggctcga gttcaggggg cagctttcct ggcccagagc 180
 ccagagaccc cggagatgag tgatgaggac agctgtgtag 220

<210> 12
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 12
 Gly Asp Ser Gly Gly Pro Val Leu Cys Leu Glu Pro Asp Gly His Trp

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1              5              10              15
Val Gln Ala Gly Ile Ile Ser Phe Ala Ser Ser Cys Ala Gln Glu Asp
      20              25              30

Ala Pro Val Leu Leu Thr Asn Thr Ala Ala His Ser Ser Trp Leu Gln
      35              40              45

Ala Arg Val Gln Gly Ala Ala Phe Leu Ala Gln Ser Pro Glu Thr Pro
      50              55              60

Glu Met Ser Asp Glu Asp Ser Cys Val Ala
65              70

<210> 13
<211> 151
<212> DNA
<213> Homo sapiens

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cggtgctaac tgctgcccac tgcttcattg g 151

<210> 14
<211> 50
<212> PRT
<213> Homo sapiens

<400> 14
Cys Gly Ser Leu Arg Thr Ala Gly Pro Gln Ala Gly Ala Pro Ser Pro
1              5              10              15

Trp Pro Trp Glu Ala Arg Leu Met His Gln Gly Gln Leu Ala Cys Gly
      20              25              30

Gly Ala Leu Val Ser Glu Glu Ala Val Leu Thr Ala Ala His Cys Phe
      35              40              45

Ile Gly
      50

<210> 15
<211> 245
<212> DNA
<213> Homo sapiens

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cctgctgctg gccagcctg tgacactggg agccagcctg cggcccctct gcctgcccta 180
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agcag 245

<210> 16

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<211> 82
 <212> PRT
 <213> Homo sapiens

<400> 16
 Arg Gln Ala Pro Glu Glu Trp Ser Val Gly Leu Gly Thr Arg Pro Glu
 1 5 10 15
 Glu Trp Gly Leu Lys Gln Leu Ile Leu His Gly Ala Tyr Thr His Pro
 20 25 30
 Glu Gly Gly Tyr Asp Met Ala Leu Leu Leu Leu Ala Gln Pro Val Thr
 35 40 45
 Leu Gly Ala Ser Leu Arg Pro Leu Cys Leu Pro Tyr Pro Asp His His
 50 55 60
 Leu Pro Asp Gly Glu Arg Gly Trp Val Leu Gly Arg Ala Arg Pro Gly
 65 70 75 80
 Ala Gly

<210> 17
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 17
 gcatcagctc cctccagaca gtgcccgtga ccctcctggg gcctagggcc tgcagccggc 60
 tgcattgcagc tcctgggggt gatggcagcc ctattctgcc ggggatggtg tgtaccagtg 120
 ctgtgggtga gctgcccagc tgtgag 146

<210> 18
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 18
 Ile Ser Ser Leu Gln Thr Val Pro Val Thr Leu Leu Gly Pro Arg Ala
 1 5 10 15
 Cys Ser Arg Leu His Ala Ala Pro Gly Gly Asp Gly Ser Pro Ile Leu
 20 25 30
 Pro Gly Met Val Cys Thr Ser Ala Val Gly Glu Leu Pro Ser Cys Glu
 35 40 45

<210> 19
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 19

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ggcctgtctg gggcaccact ggtgcatgag gtgaggggca catgggttct ggcggggctg 60
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gcctatgagg actgggtcag cagtttggac tggcaggtct acttcgccga ggaaccagag 180
cccagggtg agcctggaag ctgcctggcc aacataagta tgtggccccg gggcctcctg 240
ccaaaccctg cctctccagg acccttctct ctccag 276

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<210> 20
<211> 92
<212> PRT
<213> Homo sapiens

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<400> 20
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Leu Ala Gly Leu His Ser Phe Gly Asp Ala Cys Gln Gly Pro Ala Arg
20 25 30
Pro Ala Val Phe Thr Ala Leu Pro Ala Tyr Glu Asp Trp Val Ser Ser
35 40 45
Leu Asp Trp Gln Val Tyr Phe Ala Glu Glu Pro Glu Pro Glu Ala Glu
50 55 60
Pro Gly Ser Cys Leu Ala Asn Ile Ser Met Trp Pro Arg Gly Leu Leu
65 70 75 80
Pro Asn Pro Ala Ser Pro Gly Pro Phe Ser Leu Gln
85 90

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<210> 21
<211> 1701
<212> DNA
<213> Homo sapiens

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ggcaacacag tccctggcga gtggccctgg caggccagtg tgaggaggca aggagccac 180
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aaggcagcag caacagaact gaattcctgg tcagtgggtcc tgggttctct gcagcgtgag 300
ggactcagcc ctggggccga agaggtgggg gtggctgccc tgcagttgcc cagggcctat 360
aaccactaca gccagggtc agacctggcc ctgctgcagc tcgccacccc cagcaccac 420
acacccctct gcctgcccc gcccgcccat cgcttccctt ttggagcctc ctgctgggcc 480
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ctcatcagtc gcccacatg taactgtatc tacaaccagc tgcaccagcg acacctgtcc 600
aaccggcccc ggctgggat gctatgtggg ggccccagc ctgggggtgca gggcccctgt 660
caggagatt ccgggggccc tgtgctgtgc ctcgagcctg acggacactg ggttcaggct 720
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tacgacatgg ccctcctgct gctggcccag cctgtgacac tgggagccag cctgcggccc 1200
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<210> 22
<211> 567
<212> PRT
<213> Homo sapiens

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<400> 22
Met Lys Trp Cys Trp Gly Pro Val Leu Leu Ile Ala Gly Ala Thr Val
1 5 10 15

Leu Met Glu Gly Leu Gln Ala Ala Gln Arg Ala Cys Gly Gln Arg Gly
20 25 30

Pro Gly Pro Pro Lys Pro Gln Glu Gly Asn Thr Val Pro Gly Glu Trp
35 40 45

Pro Trp Gln Ala Ser Val Arg Arg Gln Gly Ala His Ile Cys Ser Gly
50 55 60

Ser Leu Val Ala Asp Thr Trp Val Leu Thr Ala Ala His Cys Phe Glu
65 70 75 80

Lys Ala Ala Ala Thr Glu Leu Asn Ser Trp Ser Val Val Leu Gly Ser
85 90 95

Leu Gln Arg Glu Gly Leu Ser Pro Gly Ala Glu Glu Val Gly Val Ala
100 105 110

Ala Leu Gln Leu Pro Arg Ala Tyr Asn His Tyr Ser Gln Gly Ser Asp
115 120 125

Leu Ala Leu Leu Gln Leu Ala His Pro Thr Thr His Thr Pro Leu Cys
130 135 140

Leu Pro Gln Pro Ala His Arg Phe Pro Phe Gly Ala Ser Cys Trp Ala
145 150 155 160

Thr Gly Trp Asp Gln Asp Thr Ser Asp Ala Pro Gly Thr Leu Arg Asn
165 170 175

Leu Arg Leu Arg Leu Ile Ser Arg Pro Thr Cys Asn Cys Ile Tyr Asn
180 185 190

Gln Leu His Gln Arg His Leu Ser Asn Pro Ala Arg Pro Gly Met Leu
195 200 205

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Cys Gly Gly Pro Gln Pro Gly Val Gln Gly Pro Cys Gln Gly Asp Ser
 210 215 220
 Gly Gly Pro Val Leu Cys Leu Glu Pro Asp Gly His Trp Val Gln Ala
 225 230 235 240
 Gly Ile Ile Ser Phe Ala Ser Ser Cys Ala Gln Glu Asp Ala Pro Val
 245 250 255
 Leu Leu Thr Asn Thr Ala Ala His Ser Ser Trp Leu Gln Ala Arg Val
 260 265 270
 Gln Gly Ala Ala Phe Leu Ala Gln Ser Pro Glu Thr Pro Glu Met Ser
 275 280 285
 Asp Glu Asp Ser Cys Val Ala Cys Gly Ser Leu Arg Thr Ala Gly Pro
 290 295 300
 Gln Ala Gly Ala Pro Ser Pro Trp Pro Trp Glu Ala Arg Leu Met His
 305 310 315 320
 Gln Gly Gln Leu Ala Cys Gly Gly Ala Leu Val Ser Glu Glu Ala Val
 325 330 335
 Leu Thr Ala Ala His Cys Phe Ile Gly Arg Gln Ala Pro Glu Glu Trp
 340 345 350
 Ser Val Gly Leu Gly Thr Arg Pro Glu Glu Trp Gly Leu Lys Gln Leu
 355 360 365
 Ile Leu His Gly Ala Tyr Thr His Pro Glu Gly Gly Tyr Asp Met Ala
 370 375 380
 Leu Leu Leu Leu Ala Gln Pro Val Thr Leu Gly Ala Ser Leu Arg Pro
 385 390 395 400
 Leu Cys Leu Pro Tyr Pro Asp His His Leu Pro Asp Gly Glu Arg Gly
 405 410 415
 Trp Val Leu Gly Arg Ala Arg Pro Gly Ala Gly Ile Ser Ser Leu Gln
 420 425 430
 Thr Val Pro Val Thr Leu Leu Gly Pro Arg Ala Cys Ser Arg Leu His
 435 440 445
 Ala Ala Pro Gly Gly Asp Gly Ser Pro Ile Leu Pro Gly Met Val Cys
 450 455 460
 Thr Ser Ala Val Gly Glu Leu Pro Ser Cys Glu Gly Leu Ser Gly Ala
 465 470 475 480
 Pro Leu Val His Glu Val Arg Gly Thr Trp Phe Leu Ala Gly Leu His
 485 490 495

Ser Phe Gly Asp Ala Cys Gln Gly Pro Ala Arg Pro Ala Val Phe Thr
 500 505 510

Ala Leu Pro Ala Tyr Glu Asp Trp Val Ser Ser Leu Asp Trp Gln Val
 515 520 525

Tyr Phe Ala Glu Glu Pro Glu Pro Glu Ala Glu Pro Gly Ser Cys Leu
 530 535 540

Ala Asn Ile Ser Met Trp Pro Arg Gly Leu Leu Pro Asn Pro Ala Ser
 545 550 555 560

Pro Gly Pro Phe Ser Leu Gln
 565

<210> 23
 <211> 10
 <212> DNA
 <213> Homo sapiens

<400> 23
 gctcagcgtg

10

<210> 24
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 24
 Ala Gln Arg Ala
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<210> 25
 <211> 1632
 <212> DNA
 <213> Homo sapiens

<400> 25
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 gcaacagaac tgaattcctg gtcagtggtc ctgggttctc tgcagcgtga gggactcagc 240
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 gatcaggaca ccagtgatgc tctgggacc ctacgcaatc tgcgcctgcg tctcatcagt 480
 cgccccacat gtaactgtat ctacaaccag ctgcaccagc gacacctgtc caaccgggcc 540

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cggcctggga tgctatgtgg gggccccag cctgggggtgc agggcccctg tcaggagat 600
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<210> 26

<211> 544

<212> PRT

<213> Homo sapiens

<400> 26

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Ala Gln Arg Ala Cys Gly Gln Arg Gly Pro Gly Pro Pro Lys Pro Gln
1           5           10           15

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Glu Gly Asn Thr Val Pro Gly Glu Trp Pro Trp Gln Ala Ser Val Arg
          20           25           30

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Arg Gln Gly Ala His Ile Cys Ser Gly Ser Leu Val Ala Asp Thr Trp
 35 40 45

Val Leu Thr Ala Ala His Cys Phe Glu Lys Ala Ala Ala Thr Glu Leu
 50 55 60

Asn Ser Trp Ser Val Val Leu Gly Ser Leu Gln Arg Glu Gly Leu Ser
 65 70 75 80

Pro Gly Ala Glu Glu Val Gly Val Ala Ala Leu Gln Leu Pro Arg Ala
 85 90 95

Tyr Asn His Tyr Ser Gln Gly Ser Asp Leu Ala Leu Leu Gln Leu Ala
 100 105 110

His Pro Thr Thr His Thr Pro Leu Cys Leu Pro Gln Pro Ala His Arg
 115 120 125

Phe Pro Phe Gly Ala Ser Cys Trp Ala Thr Gly Trp Asp Gln Asp Thr
 130 135 140

Ser Asp Ala Pro Gly Thr Leu Arg Asn Leu Arg Leu Arg Leu Ile Ser
 145 150 155 160

Arg Pro Thr Cys Asn Cys Ile Tyr Asn Gln Leu His Gln Arg His Leu
 165 170 175

Ser Asn Pro Ala Arg Pro Gly Met Leu Cys Gly Gly Pro Gln Pro Gly
 180 185 190

Val Gln Gly Pro Cys Gln Gly Asp Ser Gly Gly Pro Val Leu Cys Leu
 195 200 205

Glu Pro Asp Gly His Trp Val Gln Ala Gly Thr Ile Ser Phe Ala Ser
 210 215 220

Ser Cys Ala Gln Glu Asp Ala Pro Val Leu Leu Thr Asn Thr Ala Ala
 225 230 235 240

His Ser Ser Trp Leu Gln Ala Arg Val Gln Gly Ala Ala Phe Leu Ala
 245 250 255

Gln Ser Pro Glu Thr Pro Glu Met Ser Asp Glu Asp Ser Cys Val Ala
260 265 270

Cys Gly Ser Leu Arg Thr Ala Gly Pro Gln Ala Gly Ala Pro Ser Pro
275 280 285

Trp Pro Trp Glu Ala Arg Leu Met His Gln Gly Gln Leu Ala Cys Gly
290 295 300

Gly Ala Leu Val Ser Glu Glu Ala Val Leu Thr Ala Ala His Cys Phe
305 310 315 320

Ile Gly Arg Gln Ala Pro Glu Glu Trp Ser Val Gly Leu Gly Thr Arg
325 330 335

Pro Glu Glu Trp Gly Leu Lys Gln Leu Ile Leu His Gly Ala Tyr Thr
340 345 350

His Pro Glu Gly Gly Tyr Asp Met Ala Leu Leu Leu Leu Ala Gln Pro
355 360 365

Val Thr Leu Gly Ala Ser Leu Arg Pro Leu Cys Leu Pro Tyr Pro Asp
370 375 380

His His Leu Pro Asp Gly Glu Arg Gly Trp Val Leu Gly Arg Ala Arg
385 390 395 400

Pro Gly Ala Gly Ile Ser Ser Leu Gln Thr Val Pro Val Thr Leu Leu
405 410 415

Gly Pro Arg Ala Cys Ser Arg Leu His Ala Ala Pro Gly Gly Asp Gly
420 425 430

Ser Pro Ile Leu Pro Gly Met Val Cys Thr Ser Ala Val Gly Glu Leu
435 440 445

Pro Ser Cys Glu Gly Leu Ser Gly Ala Pro Leu Val His Glu Val Arg
450 455 460

Gly Thr Trp Phe Leu Ala Gly Leu His Ser Phe Gly Asp Ala Cys Gln
465 470 475 480

Gly Pro Ala Arg Pro Ala Val Phe Thr Ala Leu Pro Ala Tyr Glu Asp
485 490 495

Trp Val Ser Ser Leu Asp Trp Gln Val Tyr Phe Ala Glu Glu Pro Glu
500 505 510

Pro Glu Ala Glu Pro Gly Ser Cys Leu Ala Asn Ile Ser Met Trp Pro
515 520 525

Arg Gly Leu Leu Pro Asn Pro Ala Ser Pro Gly Pro Phe Ser Leu Gln
530 535 540